



# OGC Testbed 13



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***Open Geospatial Consortium***

**2017 ESIP Winter Meeting**

**January 11-13<sup>th</sup> 2017, Bethesda, Maryland**

**Data Driven Decision Making for the Disasters Response  
User Community Jan 11**



# Open Geospatial Consortium

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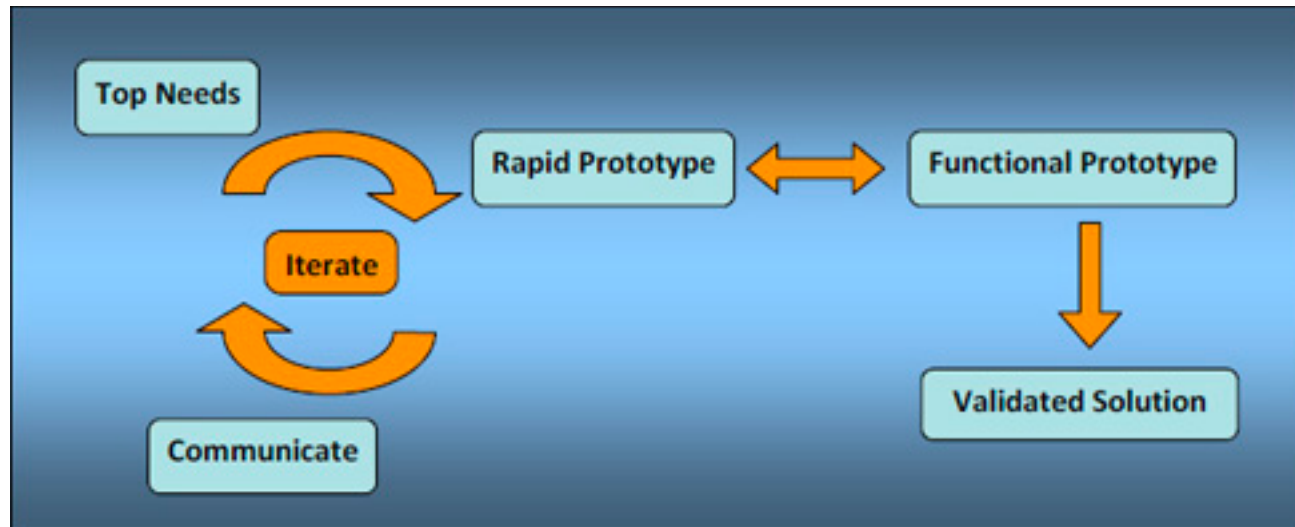
- Leads the development of standards for geospatial and location based services.
- Funded in 1994
- Standards organization (40+ standards)
- Voluntary consensus (500+ members)
- More than 5,000 users in the portal
- More than 230 OGC certified products
- More than 800 products in the implementation database



# Innovation Through Prototyping

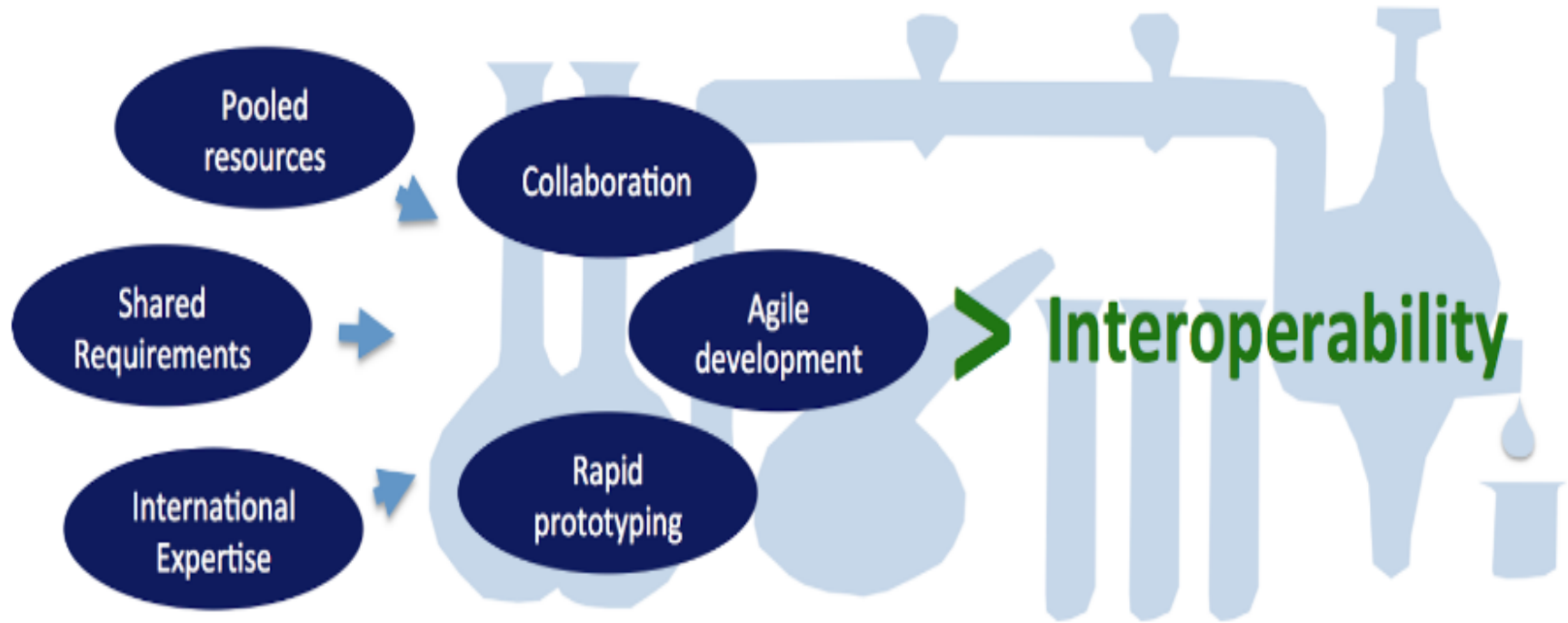
As a rule, the more prototypes and prototyping cycles per unit of time, the more technically polished the final product.

Serious Play, M. Schrage



**Agile, Scrum Iterative, Evolutionary Development**

# OGC Innovation Program



# Previous Testbeds



## Testbed 11

29 organizations	> 150 individuals
\$1.8 Million	
56 components	31 documents

## Testbed 12

> 37 organizations	> 200 individuals
\$3.6 Million	
82 components	47 documents

## Testbed 9

55 organizations	> 200 individuals
\$2.85 Million	
60 components	28 reports

## Testbed 10

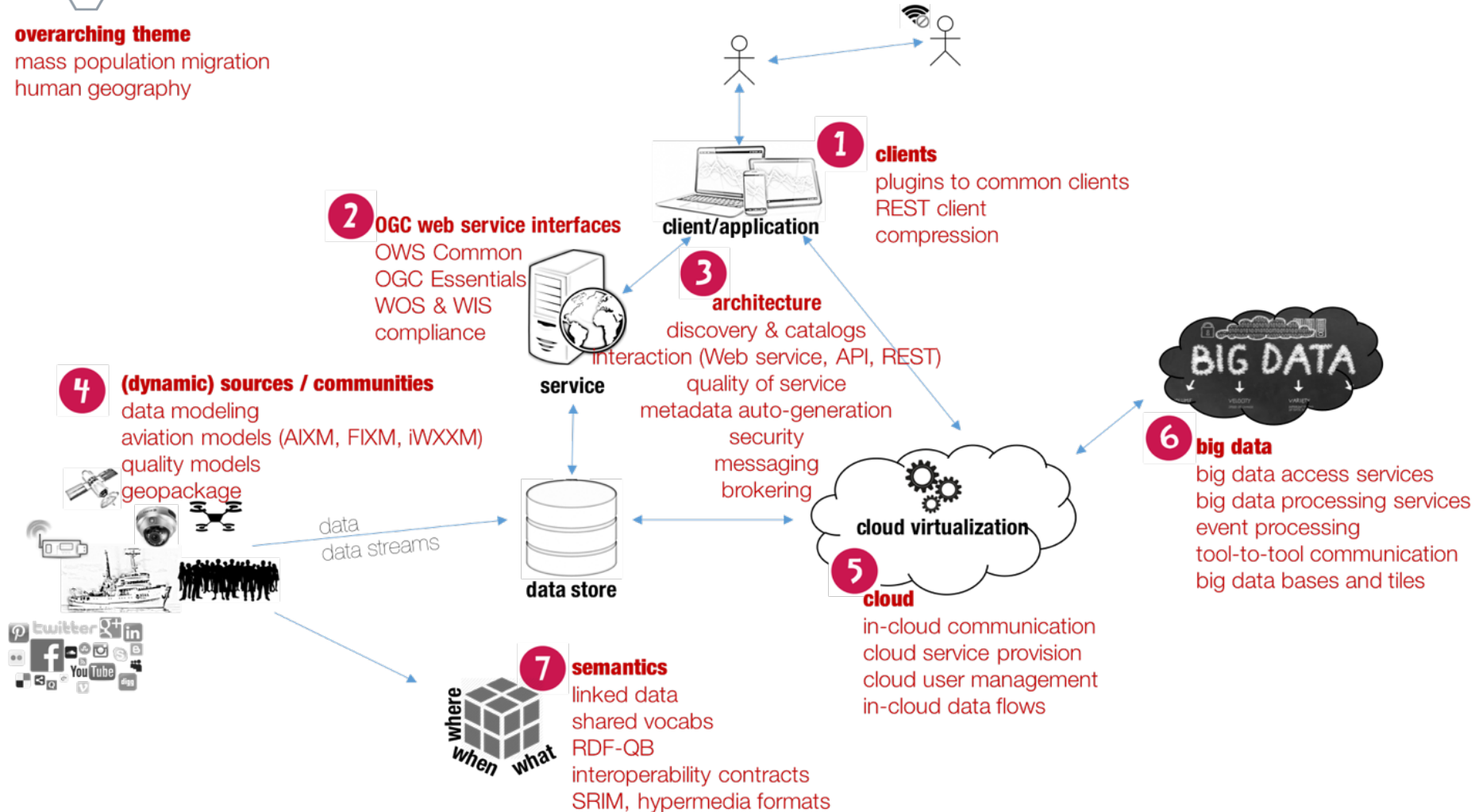
40 organizations	> 176 individuals
\$1.25 Million	
40 components	19 reports

# Testbed 13



## overarching theme

mass population migration  
human geography



# Mass Migration



**Mass movement of  
populations in  
response to conflict**

- **3D Data**
- **Moving Features**
- **3D Portrayal Standard**
- **3D Tiles**
- **Indexed 3d Scene Layer (i3s)**





# Climate Change - Drought

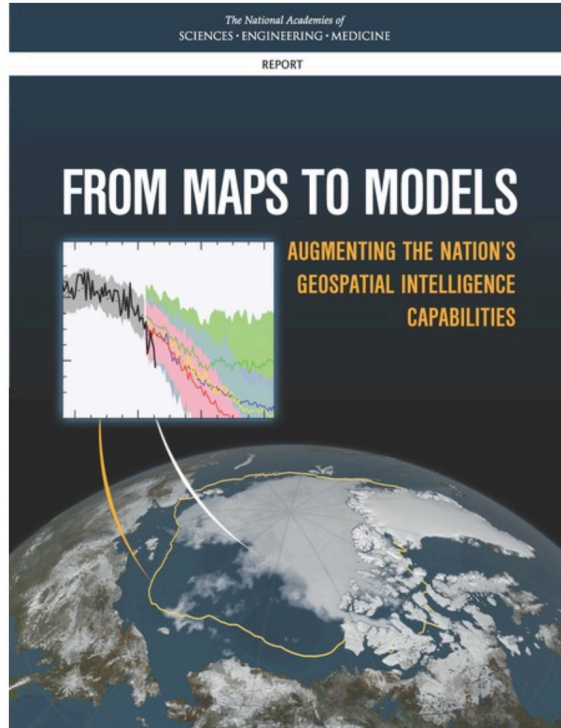


**Integration of:**  
• **Climate prediction models**

- **Single**
- **Ensemble**
- **Chain**



# Impact of Drought on Populations



*What regions are vulnerable to food and water shortages in the future due to interactions between food, energy, water and climate?*

## Connecting Models to Social Systems

### Water

- Water level
- Water use
- Laws on water use

### Population

- Location
- Growth
- Movement

# So what?

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- If you are interested in data dissemination and systems interoperability during a disaster
- If you are interested in Mass Migration
- If you are interested in OGC standards
- If you want to get funded to serve data, develop a client that talks open interfaces, or middleware components that transforms data
- If you want learn about dealing with 3D data, climate and social data
- If you want to be part of an agile activity

**JOIN US**



# Schedule and Links

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## **Schedule**

- January - Call for Participation Release
- Mid February – Responses due
- End of February – Selections due
- Early April – Kickoff

## **More information:**

<http://www.opengeospatial.org/projects/initiatives/testbed13>

**Join the OGC LinkedIn Group to get notified**

<https://www.linkedin.com/groups/55322>

# Thank you

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